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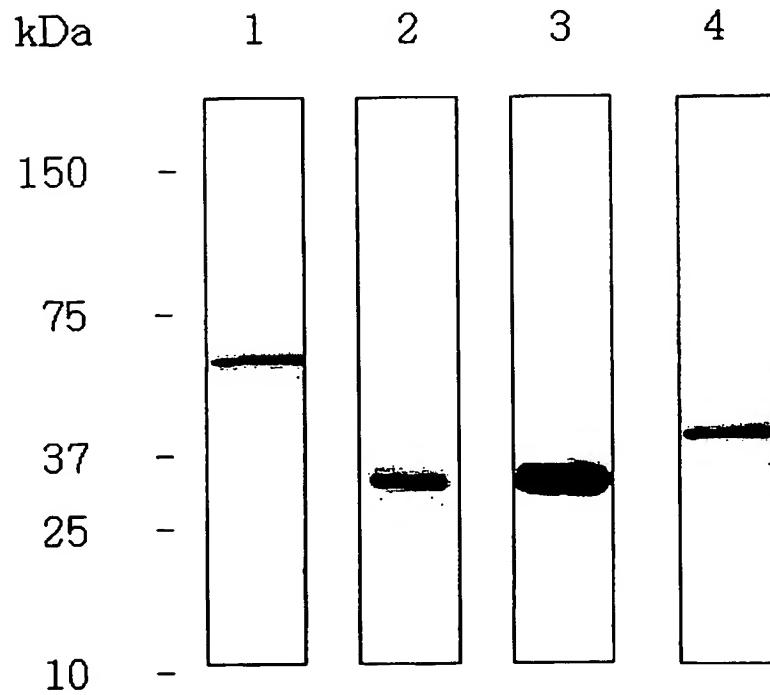
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(54) Title: THROMBIN-LIKE RECOMBINANT BATROXOBIN EXPRESSED BY PICHIA SP. AND PRODUCTION METHOD THEREOF



(57) Abstract: A recombinant thrombin-like enzyme batroxobin expressed by yeast, a production method thereof, and use of the batroxobin as a hemostatic agent or antithrombotic agent is disclosed. In order to express recombinant thrombin-like enzyme, an expression vector is prepared by inserting cDNA encoding the enzyme, the transformed cell is prepared by introducing the expression vector into the cell, the transformed cell then is incubated and the recombinant thrombin-like enzyme is obtained from the cell. The recombinant thrombin-like enzyme may be usefully used as a hemostatic agent because the enzyme effectively decrease bleeding time and blood coagulation time and does not affect various blood coagulation factors. The recombinant thrombin-like enzyme is also useful for a hemostatic agent or antithrombotic agent comprising the recombinant thrombin-like enzyme as an active component.

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